

**AMENDMENTS TO THE CLAIMS**

1. (currently amended) An optical integrated unit comprising:
  - a light-emitting portion (~~1, 21~~) for emitting a plurality of laser beams having different wavelengths;
  - a phase difference plate (~~5~~);
  - a first hologram element (~~2, 12, 14, 16~~) for diffracting a first laser beam of said plurality of laser beams; and
  - a second hologram element (~~3, 13, 15, 17~~) for diffracting a second laser beam of said plurality of laser beams, whereinsaid phase difference plate (~~5~~) is formed to act as a  $\lambda/4$  plate for said first laser beam and to act as a  $\lambda$  plate or a  $\lambda/2$  plate for said second laser beam.
2. (currently amended) The optical integrated unit according to claim 1, wherein  
said light-emitting portion (~~1, 21~~) is formed such that a wavelength of said first laser beam is shorter than a wavelength of said second laser beam,  
said first hologram element (~~2, 12, 14, 16~~) has a polarization characteristic, and  
said second hologram element (~~3, 13, 15, 17~~) is formed not to depend on a polarization state.
3. (currently amended) The optical integrated unit according to claim 1, wherein  
said light-emitting portion (~~1, 21~~) is formed such that a wavelength of said first laser beam is shorter than a wavelength of said second laser beam,  
said first hologram element (~~2, 12, 14, 16~~) has a polarization characteristic, and  
said second hologram element (~~3, 13, 15, 17~~) is formed not to diffract said first laser beam and to diffract said second laser beam.
4. (currently amended) The optical integrated unit according to claim 1, further comprising oscillation light division means (~~8a, 8b, 8e~~) for dividing oscillation light from said light-emitting portion (~~1, 21~~) into at least three.

5. (currently amended) The optical integrated unit according to claim 4, wherein said oscillation light division means (~~8b~~, ~~8e~~) includes

- a first oscillation light diffraction grating (~~8b~~) for dividing said first laser beam and
- a second oscillation light diffraction grating (~~8e~~) for dividing said second laser beam.

6. (currently amended) The optical integrated unit according to claim 4, wherein said oscillation light division means (~~8a~~, ~~8b~~, ~~8e~~) includes a diffraction grating formed to divide said first laser beam and said second laser beam.

7. (currently amended) The optical integrated unit according to claim 1, further comprising one light-receiving portion (~~4a~~, ~~4b~~, ~~4e~~) for receiving said plurality of laser beams, wherein

said first laser beam and said second laser beam are received at said one light-receiving portion (~~4a~~, ~~4b~~, ~~4e~~).

8. (currently amended) The optical integrated unit according to claim 1, further comprising a light-receiving portion (~~4a~~, ~~4b~~, ~~4e~~) for receiving said plurality of laser beams, wherein

said light-emitting portion (~~1~~, ~~21~~), said light-receiving portion (~~4a~~, ~~4b~~, ~~4e~~), said first hologram element (~~2~~, ~~12~~, ~~14~~, ~~16~~), and said second hologram element (~~3~~, ~~13~~, ~~15~~, ~~17~~) are integrated.

9. (currently amended) The optical integrated unit according to claim 1, further comprising a light-receiving portion (~~4a~~, ~~4b~~, ~~4e~~) for receiving said plurality of laser beams, wherein

said light-emitting portion (~~1~~, ~~21~~), said light-receiving portion (~~4a~~, ~~4b~~, ~~4e~~), said first hologram element (~~2~~, ~~12~~, ~~14~~, ~~16~~), and said second hologram element (~~3~~, ~~13~~, ~~15~~, ~~17~~), and said phase difference plate (~~5~~) are integrated.

10. (currently amended) The optical integrated unit according to claim 1, further comprising:

oscillation light division means (~~8a, 8b, 8e~~) for dividing oscillation light from said light-emitting portion (~~1, 21~~) into at least three; and

a light-receiving portion (~~4a, 4b, 4e~~) for receiving said plurality of laser beams, wherein said light-emitting portion (~~1, 21~~), said light-receiving portion (~~4a, 4b, 4e~~), said first hologram element (~~2, 12, 14, 16~~), said second hologram element (~~3, 13, 15, 17~~), and said oscillation light division means (~~8a, 8b, 8e~~) are integrated.

11. (currently amended) The optical integrated unit according to claim 1, further comprising:

oscillation light division means (~~8a, 8b, 8e~~) for dividing oscillation light from said light-emitting portion (~~1, 21~~) into at least three; and

a light-receiving portion (~~4a, 4b, 4e~~) for receiving said plurality of laser beams, wherein said light-emitting portion (~~1, 21~~), said light-receiving portion (~~4a, 4b, 4e~~), said first hologram element (~~2, 12, 14, 16~~), said second hologram element (~~3, 13, 15, 17~~), said phase difference plate (~~5~~), and said oscillation light division means (~~8a, 8b, 8e~~) are integrated.

12. (currently amended) The optical integrated unit according to claim 1, wherein said light-emitting portion (~~1, 21~~) is integrally formed to be separable from other portions.

13. (currently amended) An optical pickup device comprising:

the optical integrated unit according to claim 1; and

an objective lens (~~6~~) for collecting emitted laser beam on an information surface of an optical disk (~~7~~).

14. (currently amended) The optical pickup device according to claim 13, further comprising:

oscillation light division means (~~8a, 8b, 8e~~) for dividing oscillation light from said light-emitting portion (~~1, 21~~) into at least three; and

a light-receiving portion (~~4a, 4b, 4e~~) for receiving said plurality of laser beams, wherein said light-emitting portion (~~1, 21~~) is formed such that a wavelength of said first laser beam is shorter than a wavelength of said second laser beam,

said first hologram element ~~(2, 12, 14, 16)~~ has a polarization characteristic,  
said second hologram element ~~(3, 13, 15, 17)~~ is formed not to depend on a polarization  
state, and

said light-emitting portion ~~(1, 21)~~, said light-receiving portion ~~(4a, 4b, 4e)~~, said first  
hologram element ~~(2, 12, 14, 16)~~, said second hologram element ~~(3, 13, 15, 17)~~, said phase  
difference plate ~~(5)~~, and said oscillation light division means ~~(8a, 8b, 8e)~~ are integrated.